# USER MANUAL

## 4.3” Video Door Phone

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# WARNING AND CAUTION

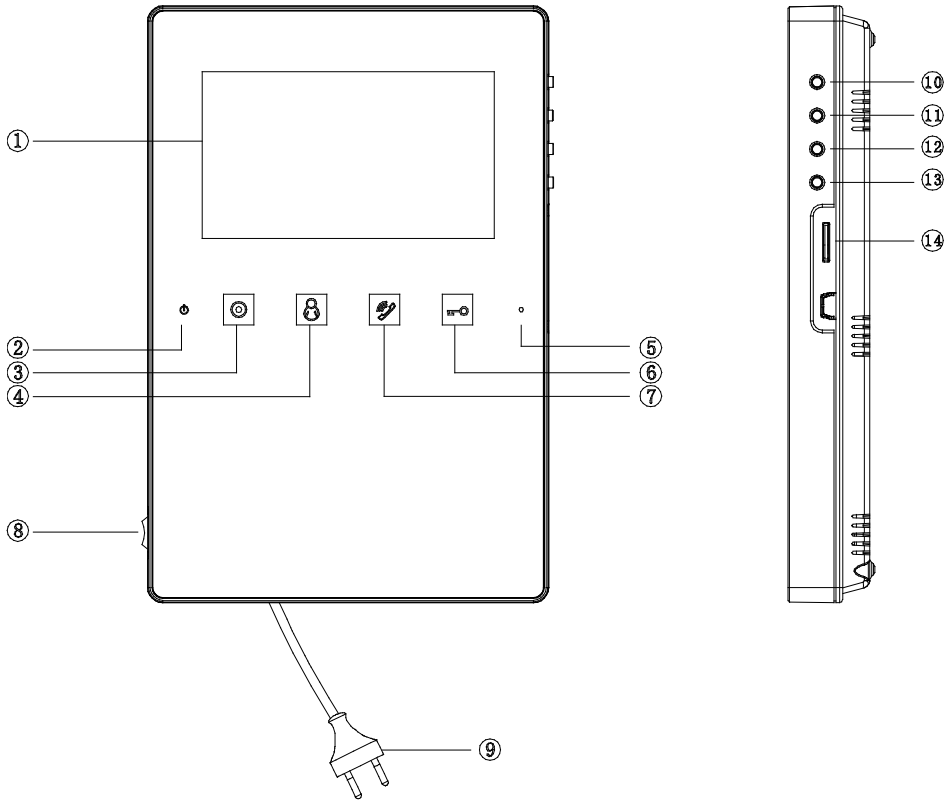
Please make sure to follow the instructions to prevent any danger or property losses

| | |
|---|---|
| | **Warning: Death or serious injury are expected** |
| | Do not disassemble, install, or repair this product on your own accord |
| | Do not place the product near a hot or humid place |
| | Do not forcibly bend the cord or put a heavy object on the product |
| | Do not use water, thinner or a detergent used to wash oil products when you wash the exterior |
| | Do not connect to other products while in use |
| | Make sure to clean it by using a dry cloth to prevent any breakdown or electric shock |
| | If the product emits a peculiar noise, odor or smoke, immediately cut off the power, and then contact the service center |
| | Do not put the plug in the socket with a wet hand |

| | |
|---|---|
| | **Caution: An injury or property losses are expected** |
| | Make sure that dust or foreign substances are not gathered on the product |
| | Make sure to prevent foreign substances from entering the product |
| | Avoid direct rays of the sun or heating devices at a time of installation |
| | Install the product in a flat and stable place |
| | Pull the plug if the product is not used for a long time |
| | Do not unplug the TF card when recording, this generally will cause loss of data |

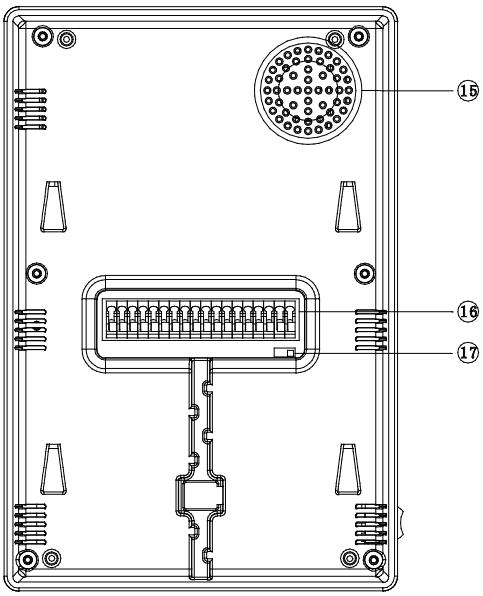
# 1. Name and Functions of Each Part

## 1.1 Front Part




| NO. | Part Name | Description |
|---|---|---|
| 1 | LCD screen | 4.3 inch TFT LCD screen |
| 2 | Power Indicator | |
| 3 | Intercom Button | |
| 4 | Monitor Button | |
| 5 | MIC | |
| 6 | Open Button | Button for releasing door |
| 7 | Talk Button | Button for talking with a visitor |
| 8 | Power Switch | AC power switch |
| 9 | Power Cable | AC power cable |
| 10 | Menu Button | |
| 11 | Up Button | |
| 12 | Down Button | |
| 13 | Exit Button | |
| 14 | TF Card Slot | |

## 1.2 Rear Part




| NO. | Part name | Description |
|---|---|---|
| 15 | Speaker | |
| 16 | Connection Interface | Audio phone/ door station 1/door station 2/ video extension/DC input |
| 17 | 75Ω Switcher | Impedance matching for video signal |

# 2. Features and Functions

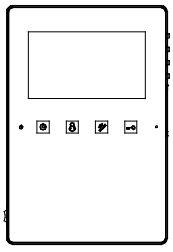
## 2.1 Features

- 4.3” Touch button monitor with OSD menu
- Support 2 door stations, 1 master monitor + 3 extension monitors and 1 audio inter-phone
- Built-in flash memory: 100 pictures
- TF card: 100 videos
- Brightness, color and contrast adjustable
- Volume of chime and voice adjustable

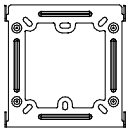
## 2.2 Main Functions

- Monitoring and talking with a visitor
- Door lock release
- Support AC/DC power input
- OSD menu
- LED button indicator

# 3. Packing Contents



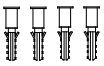
Main body



Wall bracket

User manual

Wall bracket mount screw

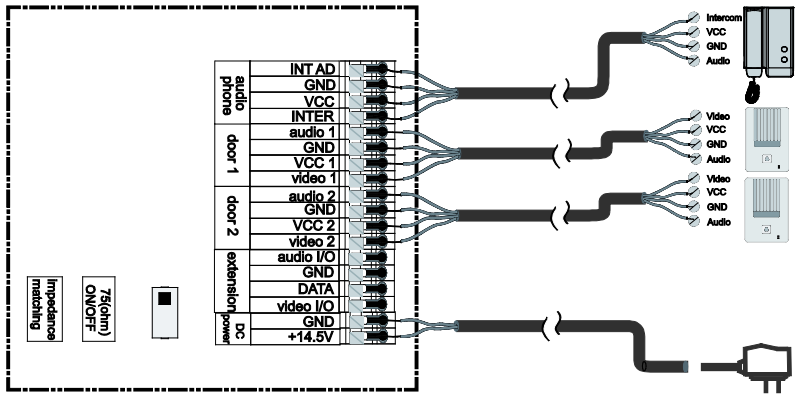


Plastic expansion pipe

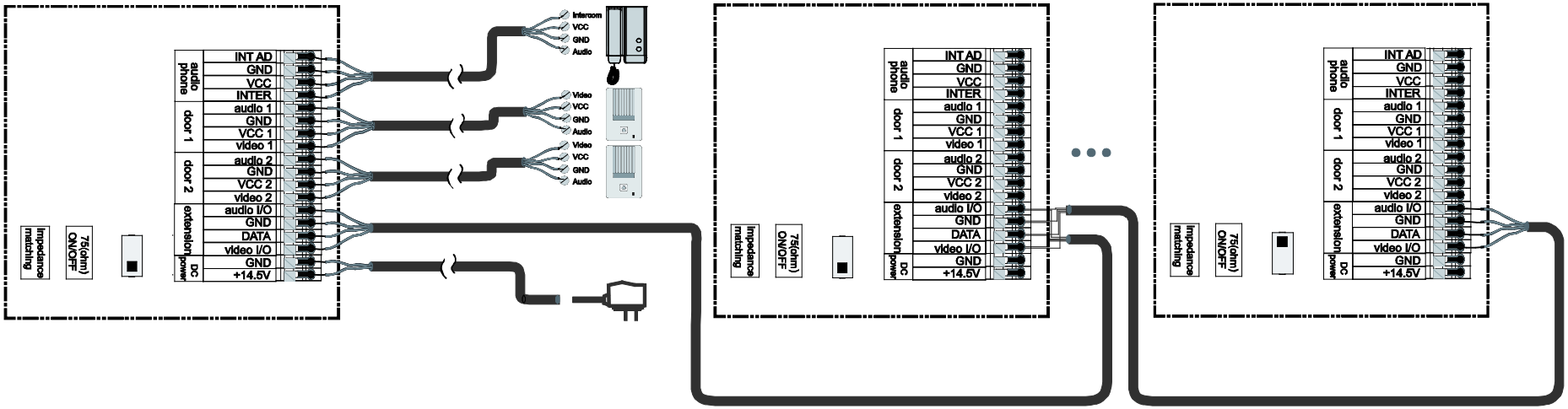
# 4. Wiring Diagram

Please be careful to wiring on polarity.

❖ Intercom wiring diagram with one monitor



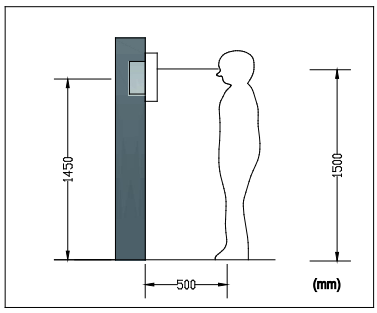

❖ Intercom wiring diagram with master monitor and extensions (pay attention to the impedance matching switch)




(Master monitor) (Extension 1) (Extension N, N≤ 3)

# 5. Installation

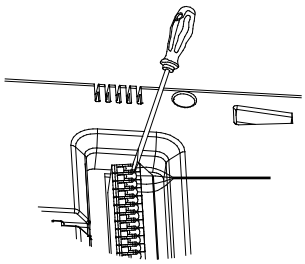
## 5.1 Installation location



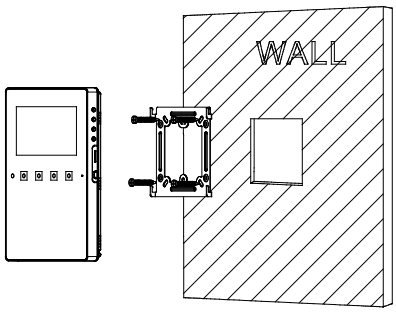

◆ **Monitor installation location**

Standard monitor installation height is about 1,500mm where screen center is at eye level; in this case, wall-hanging metal center is 1,450mm above ground level.

## 5.2 Wire & Monitor Installation



1) Push down the button with screwdriver
2) Put the wire into the hole from the bottom
3) Release the screwdriver
4) Check the fastness of the wire




5) Remove wall-hanger bracket behind monitor
6) Install wall-hanger bracket
7) Connect wires to back terminal of monitor, referring to connection diagram
8) Hang monitor on wall-hanging, and fix monitor on wall-hanger bracket
9) Plug monitor’s power plug into power socket

# 6. Operation Description

## 6.1 Visitor Call

When door station calls in, the visitor's image will be shown on the monitor screen (on-screen duration 35 seconds).

**Remarks:**

- In **[RECORD SET]** page, if you select YES in **[AUTO RECORD]** and select IMAGE in **[RECORD MODE]**, when a door station calls in, monitor will capture picture automatically and show "ENCODED" in the middle of the screen.
- In **[RECORD SET]** page, if you select YES in **[AUTO RECORD]** and select VIDEO in **[RECORD MODE]**, when a door station calls in, monitor will capture video automatically for 15s.
- In **[RECORD SET]** page, if you select NO in **[AUTO RECORD]** and select IMAGE in **[RECORD MODE]**, when a door station calls in, press **[MENU]** button, monitor will capture picture and show "ENCODED" in the middle of the screen.
- In **[RECORD SET]** page, if you select NO in **[AUTO RECORD]** and select VIDEO in **[RECORD MODE]**, when a door station calls in, press **[MENU]** button, monitor will capture video for 15s.

When door station calls in, you can press **[TALK]** button to talk with the outdoor station; press **[TALK]** button again to terminate.

When door station calls in, press **[OPEN]** button to unlock the door, door open time is 3s.

During the talk, you can press **[UP] /[DOWN]** button to adjust the sound volume.

## 6.2 Monitor Function

When you press the **[MONITOR]** button in standby mode, the system will enter monitor mode, and will show image from the corresponding door station.

**Remark:**

- In standby mode, press **[MONITOR]** button once, the screen will display “CAM1”; press **[MONITOR]** button again, the screen will display “CAM2”; press **[MONITOR]** button three times, the screen will be turned off.

## 6.3 Multimedia

### 6.3.1 Image & Video Storage

If you insert TF card, the monitor can record image and video, if you do not insert TF card, monitor can only record image.

Maximum capacity: TF Card: 100 videos.

Built-in flash memory: 100 images.

### 6.3.2 Image & Video Review

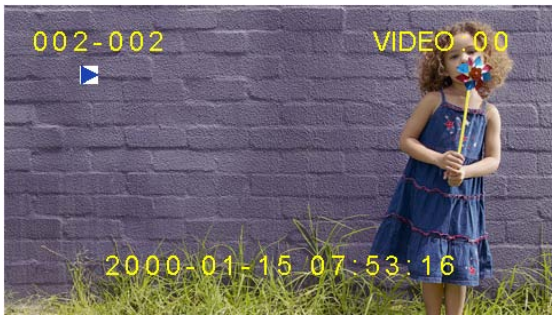
❖ **Image Review**

Enter **[RECORD SET]** page, select IMAGE in **[RECORD MODE]**, Then in the standby mode, press **[UP]** button, you can review the captured image, starting from the latest one.

Press **[UP]** button to show the next image; press **[DOWN]** button to show the previous image; press **[EXIT]** button to turn off the screen.

❖ **Video Review**

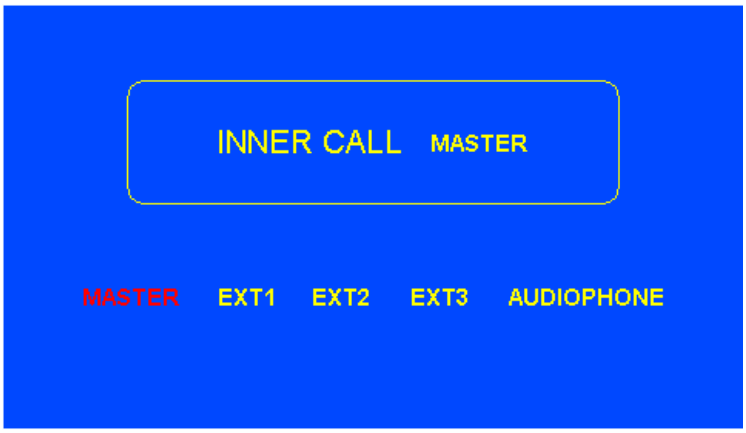
Enter **[RECORD SET]** page, select VIDEO in **[RECORD MODE]**, Then in the standby mode, press **[UP]** button, you can review the captured video clips, starting from the latest one.



Press **[MENU]** button to play/ pause the video; Press **[UP]** to show the next video; Press **[DOWN]** button to show the previous video; Press **[EXIT]** button to turn off the screen.

## 6.4 Intercom Function

In standby mode, press **[INTERCOM]** button to select the monitor you want to call, and then press **[TALK]** button, then you can talk with the corresponding monitor. Press **[INTERCOM]** button six times and the system will be back to standby mode.



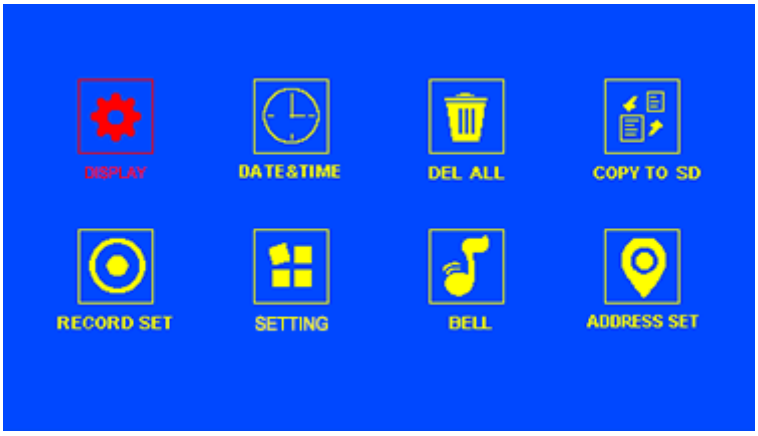

❖ **Icon Definition:**

| | |
|---|---|
| **[MASTER]** | call master monitor |
| **[EXT. 1]** | call extension 1 monitor |
| **[EXT. 2]** | call extension 2 monitor |
| **[EXT. 3]** | call extension 3 monitor |
| **[AUDIOPHONE]** | call the audio phone |

To set intercom address: please refer to **[MENU]** → **[ADDRESS SET]**.

## 6.5 Setting page

In standby mode, press **[MENU]** button enter the menu page:




❖ **Icon Definition:**

| | | | |
|---|---|---|---|
| | enter **[DISPLAY]** page | | enter **[DATE & TIME]** setting page |
| | **[DEL ALL]** pictures/videos | | copy all images in FALSH to TF card |
| | enter **[RECORD SET]** page | | restore to factory settings and set language |
| | enter **[BELL]** setting page | | enter **[ADDRESS RESET]** page |

**Remarks:**

- In menu page, press **[MENU]** button to switch and select between different icons, the color of the selected icon will turn to red; then press **[UP]** button to enter the selected setting page.
- In **[DISPLAY]** page, you can adjust the brightness/color/contrast from 0 to 10.
- In **[DATE & TIME]** page, select ON in DISPLAY and the system will mark date&time in the captured picture/video clips; Select OFF in DISPLAY and the system will not mark date&time in the captured picture/video clips.
- In **[RECORD SET]** page, you can set the capture type: (video/image) and system behavior (automatically/manually).
- In **[SETTING]** page, you can restore monitor to factory settings and set language.
- In **[BELL]** page, you can adjust ring volume from 0 to 3.
- In **[ADDRESS RESET]** page, you can set the intercom address of the monitor to “MASTER”, “EXT1”, “EXT2” or “EXT3”. The address of different monitors in one network cannot be duplicated.

# 7. Specifications

| Category | Specification |
|---|---|
| Input power | AC: 100V ~ 240V, 50Hz/60Hz<br>DC: 14.5V |
| Power consumption | Max: 9W, standby: 3.5W |
| TFT LCD | 4.3 inch digital TFT LCD |
| LCD resolution | 480 (RGB) x 272 |
| Connection with door station | Support two 4-wire door stations |
| Connection with extension monitor | Support 3 extension monitors |
| Connection with audio phone | Support one 4-wire audio phone |
| Memory capacity | TF card:100 videos<br>Flash: 100 pictures |
| Dimensions (mm) | 132 (W) x 196 (H) x 27 (D) |